

Contents of Volume XLV

No. 1. JULY, 1923

<i>Twenty-fifth Annual Report of the Marine Biological Laboratory</i>	1
ESSENBERG, J. M. <i>Sex-Differentiation in the Viviparous Teleost <i>Xiphophorus helleri</i> Heckel</i>	46

No. 2. AUGUST, 1923

CROZIER, W. J., AND SNYDER, L. H. <i>Selective Coupling of Gammarids</i>	97
MAST, S. O., AND IBARA, YASUSHI. <i>The Effect of Temperature, Food, and the Age of the Culture on the Encystment of <i>Didinium nasutum</i></i>	105
VISSCHER, J. PAUL. <i>Feeding Reactions in the Ciliate, <i>Dileptus gigas</i>, with Special Reference to the Function of Trichocysts</i>	113

No. 3. SEPTEMBER, 1923

PEARSE, A. S. <i>The Growth of the Painted Turtle</i>	145
BODINE, JOSEPH H. <i>A Note on the Toxicity of Acids for Mosquito Larvæ</i>	149
GALTSOFF, PAUL S. <i>The Amœboid Movement of Dissociated Sponge Cells</i>	153
HEGNER, ROBERT W. <i>Observations and Experiments on Euglenoidina in the Digestive Tract of Frog and Toad Tadpoles</i>	162

No. 4. OCTOBER, 1923

CHILD, C. M. <i>The Axial Gradients in Hydrozoa. V, Experimental Axial Transformations in Hydroids</i>	181
HARGITT, CHARLES W. <i>The Digestive System of the Periodical Cicada. II, Physiology of the Adult Insect</i>	200
HICKERNELL, L. M. <i>The Digestive System of the Periodical Cicada, <i>Tibicen septendecim</i> Linn. III, Morphology of the System in the Nymph</i>	213

NO. 5. NOVEMBER, 1923

- SWINGLE, W. W. *Iodine and Amphibian Metamorphosis* . . . 229
HYMAN, LIBBIE H. *Some Notes on the Fertilization Reaction
in Echinoderm Eggs* 254

NO. 6. DECEMBER, 1923

- SCHRADER, FRANZ. *The Origin of the Mycetocytes in Pseu-
dococcus* 279
UHLENHUTH, EDUARD. *The Endocrine System of Typh-
lomolge rathbuni* 303
PLATH, O. E. *Breeding Experiments with Confined Bremus
(Bombus) Queens* 325